



GOVERNOR'S WORKFORCE INVESTMENT BOARD
500 E. Third Street, Room 200
Carson City, Nevada 89713
Telephone (775) 684-3911 * Fax (775) 684-3908

MEETING MINUTES

Governor's Workforce Investment Board (GWIB) Clean Energy Sector Council Friday, January 24, 2014 10:00 a.m.

Some members of the Council may be attending the meeting and provide testimony through a simultaneous videoconference and teleconference and other persons may observe the meeting conducted at the following locations listed below:

Place of Meeting: Department of Employment, Training & Rehabilitation
2800 East St. Louis Avenue, Conference Rooms A, B and C
Las Vegas, NV

Department of Employment, Training & Rehabilitation
Vocational Rehabilitation
1325 Corporate Boulevard
Reno, NV

Department of Employment, Training & Rehabilitation
500 South Third Street, 1st Floor Auditorium
Carson City, NV

Council Members Present: Eric Dominguez, Michael Purtill, Dan Gouker, Brita Tryggvi, Councilwoman Anita Wood, George Rowe, Councilwoman Peggy Leavitt, Bonnie Lind, Jennifer Turchin, Senator Patricia Spearman, Dr. Jim Faulds, Jack McGinley, Emilia Cargill, Ed Domanico, Chris Zunis.

Council Members Absent: Dr. Thomas Piechota, Timothy Breed, Chris Brooks, Debra Gallo, Jordan Pinjuv, Robert Feibleman, Dr. Emmanuel Maragakis, Dr. Alan Gertler, David Miller (excused), Susan Fisher, Amelia Gulling, Dr. George Rhee (excused), Dr. Ghassan Jabbour.

Ex-Officio Members Present: Jeremy Hays, John Thurman, William Boster, Randy Nance, Maribeth Stumpf.

Ex-Officio Members Absent: Ron Fletcher, Jaime Cruz.

DETR WSU Staff Present: Ansara Martino, Odalys Carmona, Doug van Aman, De Salazar.

Others Present: David Sharp (Go Space).

**Please note that all attendees may not be listed above.*

AGENDA

I. Welcome, Introductions and New Members..... Eric Dominguez, Chair
GWIB Clean Energy Sector Council

Mr. Eric Dominguez, Chair of the GWIB Clean Energy Sector Council, called the meeting to order at 10:00 a.m., thanked everyone for attending, and asked Ansara Martino to call roll.

II. Roll call and Establishment of a QuorumAnsara Martino, Grants & Policy Analyst
Workforce Solutions Unit, Department of Employment, Training and Rehabilitation (DETR)

Ansara Martino called roll and initially informed Mr. Dominguez that a quorum was deficit by four members. Four council members joined the meeting during the First Public Comment Session, thus establishing a quorum.

III. Verification of Posting..... Ansara Martino

Mr. Dominguez asked Ms. Martino to verify that the agenda for today’s meeting was posted according to Nevada statute. Ms. Martino informed Mr. Dominguez that the agenda was posted according to NRS 241.020.

IV. **First Public Comment Session** Eric Dominguez
Members of the public will be invited to speak before; however, no action may be taken on a matter during public comment until the matter itself has been included on an agenda as an item for possible action. Public comment may be limited to three minutes per person at the discretion of the chairperson.

When Mr. Dominguez announced the First Public Comment Session, David Sharp introduced himself as a principal of Go Space, a company dealing with electric car charging infrastructure. He said that he was representing the alliance of his company with Clean Tech Institute, which currently has 6 locations in California, and is funded through the Workforce Investment Board by U.S. Department of Labor grants. He said that the focus of their alliance is to create jobs for returning veterans who already may have some level of engineering and mechanical ability to get into the green sector with electric vehicle conversion and servicing. He stated his goal is to work with the Governor’s Workforce Investment Board in implementing this two-year training program in Nevada and looked forward to working with the Southern Nevada local workforce investment Board, Workforce Connections. Eric Dominguez commended Mr. Sharp and offered to have him make a formal presentation at a future meeting, upon which Peggy Leavitt mentioned that she will have Nevada Workforce Connections contact him as well, as employing veterans is a current initiative, and she would like to include him in a future agenda item. In addition, John Thurman, Director of Nevadaworks, the Northern Nevada local workforce investment board, asked that David Sharp’s contact information be forwarded to him as well.

No other public comments were made.

As Mr. Dominguez concluded this public comment session, Ansara Martino informed him that Council members Ed Domanico, Emilia Cargill, and Michael Purtill had joined the meeting, making the quorum at this time deficit by 1 member. Shortly thereafter, Council member Dan Gouker joined the meeting, thus establishing a quorum. Mr. Dominguez acknowledged the establishment of a quorum and proceeded to agenda item V.

V. **For Possible Action** – Approval of the December 6, 2013 Meeting Minutes Eric Dominguez

Mr. Dominguez asked the Council members if they had an opportunity to review the December 6, 2013 Meeting Minutes. A motion to approve the minutes was made by George Rowe. The motion was seconded by Jennifer Turchin. All were in favor. None were opposed. The motion carried.

VI. **For Possible Action** – Subcommittee Chairperson’s Reports, Description of Objectives and Suggested Timelines Eric Dominguez

- Strategic Planning Subcommittee
Acting Chair: Eric Dominguez
- Workforce Needs and Economic Development Subcommittee
Chair: Councilwoman Anita Wood
- Legislative/Regulatory/Policy Subcommittee
Chair: Les Lazareck
- Education and Training Subcommittee
Chair: Dan Gouker
- Research and Coordination Subcommittee
Chair: Dr. Thomas Piechota

Strategic Planning Subcommittee

Mr. Dominguez informed the Council that the Strategic Plan was presented and adopted at the Governor’s Workforce Investment Board on January 16, 2013, and the Plan should steer this Council’s priorities for a 12 month action plan, unless the Council determines that priorities be changed. Mr. Dominguez then asked for Subcommittee reports to be given.

Workforce Needs and Economic Development Subcommittee

The Chair of this Subcommittee, Councilwoman Anita Wood, stated her name for the record and informed the Council that working with her on the initiatives of this Subcommittee has been Councilwoman Peggy Leavitt and Bonnie Lind. Councilwoman Wood expressed appreciation for the assistance that Bob Potts, from the Governor’s Office of Economic Development, has also given the Subcommittee in developing new ideas and also possible nominations for Council membership. Councilwoman Wood said she would like to recommend that representatives from the US Green Building Council, perhaps a UNLV architect or a lead certification expert, Energy Fit Nevada and the Desert Research Institute be added to the membership of this Council. Mr. Dominguez mentioned that Council member Jennifer Turchin, as the former Chapter President for the Green Building Council, may be of assistance in reaching out to individuals. Ms. Turchin agreed to give her assistance. Councilwoman Wood then proceeded with her update on the activities of this Subcommittee.

Utilizing a PowerPoint presentation, Councilwoman Wood discussed the following:

- *The Mission for the subcommittee is to:* 1) Identify the critical jobs and skills needed by the clean energy workforce, 2) Support the development of clean energy projects that provide large employment possibilities and tax revenue opportunities, 3) Maintain coordination with and provide regular updates to the full Clean Energy Sector Council and coordinate with the Governor’s Office of Economic Development clean energy specialists to support the economic growth of potential clean energy projects.
- *Clean Energy Goals:* 1) Survey current and future clean energy work force industry demands. Bob Potts will discuss in a future meeting changes in the way in which clean energy industry jobs are categorized (by job rather than industry or company); 2) Conduct an analysis of the survey data and make a recommendation to the Governor’s Office of Economic Development as appropriate; 3) Prioritize target job opportunities and training areas.
- *Recommendations (5 key areas):* 1) Energy efficiency rehabilitation or construction. Benefits would be to help stabilize the construction industry and provide good paying jobs. She cited two challenges: one, that HVAC workers are needed, and two, that former building codes that had encouraged energy efficiency were repealed; 2) Lithium battery manufacturing. Nevada is rich in

lithium reserves, so the proximity creates an opportunity to regain good manufacturing jobs to the U.S. Additionally, there is interest in locally produced batteries to support the emerging unmanned autonomous drone systems. The challenges to making immediate impact are the timeframes required: 1-3 years for the battery manufacturing capacity and 5-6 years for FAA approval of UAS regulations; 3) Hydroponics/Aquaponics has the potential for ensuring food supply for tourists and residents, using less space and less water (one member commented is up to 70-90% less water is needed), and lower overall transportation and storage cost, which extends shelf life for produce. The challenges include 10% higher cost of the product itself than the traditional market – and this challenge is being addressed through a study being conducted with the USDA. Bonnie Lind will be reviewing the results of the study. Councilwoman Wood went on to state that one of the exciting possibilities under consideration is a proposal by Three Square, a non-profit organization that feeds those in need, to take over one of the vacated big box stores and develop a hydroponic garden in the back of the store and retail sales in the front, creating the effect of a farmer's market.

One Council member commented that the possible use of hydroponics might be low-temperature, geo-thermal energy (water heaters) that could be used to facilitate hydroponics for home use. Members commented that there are a number of other possible benefits, such as limiting the use of pesticides, and having year round access to fresh fruits and vegetables, and the sustainability aspect. Council members discussed their desire to work with the GWIB Agriculture Sector Council on this item so they can have the Agriculture Council's expertise on the Agricultural side, as well.

Next, Councilwoman Woods turned to item 4) Alternative Energy. She said there are several things going on in Nevada, such as solar research in Tonopah, a biomass project taking place in Lincoln County to turn Pinion Juniper into biodiesel, individuals retrofitting their homes to use solar energy, and also the Eldorado Valley "energy zone" designed specifically for use by solar generating companies in Boulder City. One solar company in this area is thriving and expanding; however, two Korean companies have been unable to obtain power purchase agreements to sell energy to California since California has reached its maximum alternative energy threshold of 30%. Councilwoman Wood said that this particular challenge may be resolved through the closing of San Onofre Nuclear Power Plant. Bonnie Lind mentioned that California is currently seeking power replacements with natural gas and renewables, and she asked Council member Jack McGinley for the current status of the power rebates. Mr. McGinley responded that the rebate amount has declined as the cost of installation has dropped, although rebate funds are still available. He said that legislature has changed the requirements. The same upfront rebates will be given when use is less than 25 kw; however, if use is in excess of the 25 kw, a performance-based incentive will be given spreading the discount over a five year time period to encourage installation of units for maximize output and also continue to maintain at a high level. He also mentioned that Senate Bill 123 is proposing to issue three new Request For Proposals, which should stimulate more solar and geo-thermal projects in future. Bonnie Lind said that she recommends long term and ongoing energy smart education programs to generate interest in students to enter the industry, which would support Nevada's workforce development and STEM education initiatives. She also mentioned that a challenge in this area is to encourage more young women in this field (currently 71% male versus 29% female) for the development of the future work force.

Councilwoman concluded by stating the importance of publicizing clean energy goals and she requested guidance from the Council on how this Subcommittee could help. Mr. Dominguez commented that the Council has been trying to understand what their role is, but that the best course is to continue to identify workforce gaps and needs. He informed the Council that the Governor's Workforce Investment Board is using the Council's intelligence to make policy and other determinations. A discussion ensued on sector energy issues, pending industry changes,

development projects, student intern programs to foster interest in the clean energy industry, and remodeling building codes and laws.

Legislative/Regulatory/Policy Subcommittee

Mr. Dominguez announced that the update from this Subcommittee is tabled today due to the absence of its Chair, Les Lazarek.

Research and Coordination Subcommittee

Mr. Dominguez announced that the update from this Subcommittee is tabled for today's meeting due to the absence of the Subcommittee Chair, Dr. Thomas Piechota.

Education and Training Subcommittee

Dan Gouker, the Chair of this Subcommittee, reported to the Council that he recently attended a meeting with Alex Kyser of Truckee Meadows Community College and Mike Raponi, who is the Director of the NV Department of Education's Career Technical Education, which addressed a proposed Energy Technologies Certificate to provide career and technical education to start at the sophomore level of high school. He explained that there is a core curriculum and course offerings, such as Introduction to the Power Industry, Introduction to Wind Energy, Introduction to Solar, Alternative Energy, and Electrical courses. Mr. Gouker informed the Council that he will continue to work with Mr. Raponi's office, stating these high school programs have a definite employability factor and should increase the number of high school students taking courses for the industry. One council member commented that industry participation is vital and this Council should further discuss future program development. Mr. Dominguez stated that he would look forward to having such an item on the Council's agenda in the future.

VII. **Discussion** – Review of Top In-Demand Clean Energy Occupations.....Jeremy Hays, Economist
DETR, Bureau of Research and Analysis

Mr. Dominguez introduced Jeremy Hays and asked Mr. Hays to present information reviewing the top in-demand clean energy occupations. Mr. Hays provided a report for the top 20 in-demand occupations for the 2nd quarter 2013, and stated the vast majority of jobs available are for plumbers, pipefitters, construction laborers and HVAC, which are generally on-the-job type training positions. Mr. Hays then referred to one example for high growth occupations, which was radio/cellular tower equipment installers, which showed 44% growth between 2010 and 2013. Of the top 20 in-demand jobs, no growth rate was less than a 10% increase. He went on to explain that the purpose of providing the report information was to seek a recommendation for possible future clean energy pilot program candidates through the GWIB. Mr. Hays asked the Council to review the information he presented at today's meeting and let him know if there are any questions or additional data they would like to receive.

Mr. Dominguez asked for greater detail to learn which potential jobs were associated specifically with clean energy. Mr. Hays said that he will have further discussion with William Anderson, Chief Economist in DETR's Bureau of Research and Analysis, and provide bring that information back to the Council at a future meeting. Mr. Dominguez then asked Mr. Hays to proceed with in addressing agenda item VIII.

VIII. **For Possible Action** – Consideration of Future Surveys to Support Mapping of Career and Talent Pipeline.....Jeremy Hays

Mr. Hays stated that due to the federal government shutdown, funding for the Green Job survey that this Council wanted to conduct has been placed on hold currently. Mr. Dominguez asked if there were any potential alternative sources to fund this survey, and Mr. Hays said that he will have to address that question also with Mr. Anderson. Mr. Hays said that the survey would have addressed the detailed clean energy information requested by Eric Dominguez previously to provide greater granularity in the survey. Mr. Dominguez thanked Mr. Hays for his efforts and then turned to agenda item IX.

IX. For Possible Action – Future Meetings and New Business Eric Dominguez

Mr. Dominguez asked the members if they would prefer the fourth Friday every other month to meet for their upcoming meetings. Members concurred. Mr. Dominguez then asked Ansara Martino to go forward with the schedule for the remainder of the year.

Listed below are the suggestions, recommendations, requests and comments made for future meeting agenda:

1. Discussion was raised among members about programs for veterans seeking green energy jobs. Odalys Carmona, Workforce Solutions Unit, commented that DETR and Nevada Job Connect both have programs working with veterans, and that she will convey this Council’s request for a representative to give them a presentation outlining those programs. The Council would like a presentation for the “Green Zone” veterans employment program.
2. Odalys Carmona will also be scheduled to give the Council a presentation on industry career pathways.
3. DETR Director Frank Woodbeck will be scheduled to speak to the Council.
4. Judith Turgiss, Business Services Coordinator with the NV Business Development Center (DETR/CSN), will give a presentation on WorkKeys.
5. Council member Jack McGinley will arrange to have representatives from solar and geothermal power companies, such as Bright Source or Crescent Dunes, speak to the Council about upcoming projects in their areas.
6. The Council would like to request for Bob Potts from the Nevada Governor’s Office of Economic Development to speak to them at the next meeting.
7. Mr. Dominguez asked for David Sharp, who commented during the First Public Comment Session, to be a future agenda item for the purpose of discussing retraining of veterans to work in the electrical car industry.

X. Second Public Comment Session Eric Dominguez

Members of the public may now comment on any matter or topic, which is relevant to or within the authority or jurisdiction of the Board. You may comment now even if you commented earlier; however, please do not simply repeat the same comment you previously made. Please clearly state and spell your name. Public comment may be limited to three minutes per person at the discretion of the chairperson.

Mr. Dominguez opened the Second Public Comment Session and invited members of the public to speak.

Odalys Carmona announced that DETR’s Workforce Solutions Unit has completed the career pathways for all nine sectors aligning to the current CTE curriculum, and this information will be provided at each of the sector councils. Ms. Carmona also announced that the Workforce Solutions Unit, the Gear Up Program, DETR and CCSD are conducting their first STEM conference for middle school youth at the College of Southern Nevada, Cheyenne Campus, on Friday, January 31, 2014 at 9:00 a.m. and there will be a second STEM conference on Friday, February 28, 2014 at Nevada State College, Henderson Campus, and they hope to include upcoming STEM events at UNLV and for Washoe County School District in the future. Odalys Carmona also stated she is working with the College of Southern Nevada and with Clark County School District to develop a Geek Squad/Geek Girl club. She is researching what organizations have been already successfully set up to involve women in field such as IT green energy jobs.

Mr. Dominguez mentioned the dedication of the online project to remove the bottleneck of renewable energy in Northern Nevada, and he commended Jack McGinley for his efforts in completing the project.

XI. Adjournment Eric Dominguez

Mr. Dominguez adjourned the meeting at 11:32 a.m.

Agenda items may be taken out of order, combined for consideration by the public body, and/or pulled or removed from the agenda at any time. The Chair may continue this meeting from day-to-day. Pursuant to NRS 241.020, no action may be taken upon a matter raised during a period devoted to comments by the general public until the matter itself has been specifically included on an agenda as an item upon which action may be taken.

GOVERNOR'S WORKFORCE INVESTMENT BOARD
CLEAN ENERGY SECTOR COUNCIL

Eric Dominguez (Chair), Dr. Thomas Piechota (Vice-Chair), Timothy Breed, Chris Brooks, Debra Gallo, Jordan Pinjuv, Robert Feibleman, Michael Purtill, Dr. Emmanuel Maragakis, Dr. Alan Gertler, Dan Gouker, Brita Tryggvi, Councilwoman Anita Wood, George Rowe, Councilwoman Peggy Leavitt, Bonnie Lind, Les Lazareck, David Miller, Susan Fisher, Jennifer Turchin, Senator Patricia Spearman, Amelia Gulling, Dr. George Rhee, Dr. Jim Faulds, Dr. Ghassan Jabbour, Jack McGinley, Emilia Cargill, Alex Kyser

***Notice:** Persons with disabilities who require special accommodations or assistance at the meeting should notify Derita Hopkins, DETR, Workforce Solutions Unit, between the hours of 8:00 a.m. through 5:00 p.m., in writing at 2800 E. St. Louis., Las Vegas, Nevada 89104; or call (702) 486-0523; or fax (702) 486-6426 on or before the close of business Thursday, January 23, 2013.*

Notice of this meeting was posted at the following locations on or before 9:00 a.m. on the third working day before the meeting: DETR, 2800 E. St. Louis, Las Vegas, NV; DETR, 500 East Third St., Carson City, NV; DETR, 1325 Corporate Blvd., Reno NV; NEVADA JOBCONNECT, 3405 S. Maryland Parkway, Las Vegas, NV; NEVADA JOBCONNECT, 119 Water St., Henderson, NV; NEVADA JOBCONNECT, 2827 N. Las Vegas Blvd., North Las Vegas, NV; NEVADA JOBCONNECT, 1929 N. Carson St., Carson City, NV; NEVADA JOBCONNECT, 172 Sixth St., Elko, NV; NEVADA JOBCONNECT, 480 Campton St., Ely, NV; NEVADA JOBCONNECT, 121 Industrial Way, Fallon, NV; NEVADA JOBCONNECT, 475 W. Haskell, #1, Winnemucca, NV; NEVADA JOBCONNECT, 4001 S. Virginia St., Suite G, Reno, NV; NEVADA JOBCONNECT, 1675 E. Prater Way, Suite 103, Sparks, NV; GRANT SAWYER OFFICE BUILDING, 555 E. Washington Ave., Las Vegas, NV; LEGISLATIVE BUILDING, 401 S. Carson St., Carson City, NV; NEVADAWORKS 6490 S. McCarran Blvd., Building A, Unit 1., Reno, NV; WORKFORCE CONNECTIONS, 7251 W. Lake Mead Blvd., Las Vegas, NV. This agenda was also posted on DETR's Web site at www.nvdetr.org. In addition, the agenda was mailed or e-mailed to groups and individuals as requested.